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## Patent Abstracts of Japan

PUBLICATION NUMBER : 04130032  
PUBLICATION DATE : 01-05-92

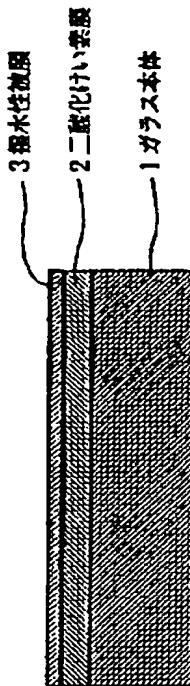
APPLICATION DATE : 19-09-90  
APPLICATION NUMBER : 02251444

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INT.CL. : C03C 17/34

TITLE : WATER REPELLENT GLASS



ABSTRACT : PURPOSE: To improve the life of water-repellent property by forming a silicone- base water-repellent film on the surface of a silicon dioxide film on a glass base body.

CONSTITUTION: For example, on the surface of a glass body 1 comprising soda glass used for automobile mirrors, there is formed a porous silicon dioxide film 2 by vapor deposition. Then, a silicone-base water-repellent film 3, for example comprising fluorosilicone, is applied on the surface of the silicon dioxide film 2 and dried to form a film. Thereby, the water-repellent film 3 is formed on the silicon dioxide film 2 comprising 100% silicon dioxide, so that the coupling degree (probability) of the water-repellent component in the film 3 and  $Si^{4+}$  ion becomes higher compared to a water-repellent film directly formed on a glass. Thus, wear resistance of the water-repellent film 3 is improved.

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